

L Number	Hits	Search Text	DB	Time stamp
-	1	5552060.pn.	USPAT; US-PGPUB	2004/05/12 13:58
-	②	5552060.URPN.	USPAT	2004/05/12 13:57
-	②	("2530561"   "3565793").PN.	USPAT	2004/05/12 13:57
-	142177	molten\$	USPAT; US-PGPUB	2004/05/12 14:06
-	457015	melt\$	USPAT; US-PGPUB	2004/05/12 14:07
-	318126	sulfur\$ sulphur\$	USPAT; US-PGPUB	2004/05/12 14:08
-	4762	melt\$ with (sulfur\$ sulphur\$)	USPAT; US-PGPUB	2004/05/12 14:08
-	66066	423/\$.ccls.	USPAT; US-PGPUB	2004/05/12 14:09
-	712	(melt\$ with (sulfur\$ sulphur\$)) and 423/\$.ccls.	USPAT; US-PGPUB	2004/05/12 14:10
-	172	423/578.1.ccls.	USPAT; US-PGPUB	2004/05/12 14:10
-	⑤2	(melt\$ with (sulfur\$ sulphur\$)) and 423/578.1.ccls.	USPAT; US-PGPUB	2004/05/12 14:29
-	1302	molten\$ adj2 (sulfur\$ sulphur\$)	USPAT; US-PGPUB	2004/05/12 14:31
-	43	(molten\$ adj2 (sulfur\$ sulphur\$)) and 423/578.1.ccls.	USPAT; US-PGPUB	2004/05/12 14:31
-	⑬	((molten\$ adj2 (sulfur\$ sulphur\$)) and 423/578.1.ccls.) not ((melt\$ with (sulfur\$ sulphur\$)) and 423/578.1.ccls.)	USPAT; US-PGPUB	2004/05/12 14:32

} Root  
patent (Fwd.  
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L Number	Hits	Search Text	DB	Time stamp
-	167881	maleic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:38
-	271355	anhydride\$ or "an hydride\$"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:39
-	112	maleican\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:39
-	91737	maleic with (anhydride\$ or "an hydride\$")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:39
-	91775	maleican\$ or (maleic with (anhydride\$ or "an hydride\$"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:40
-	177815	"ethylene glycol" or ethyleneglycol\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:42
-	3471	((maleican\$ or (maleic with (anhydride\$ or "an hydride\$")))) with ("ethylene glycol" or ethyleneglycol\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:45
-	731615	ester\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:45
-	24413	monoester\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:45
-	56	((maleican\$ or (maleic with (anhydride\$ or "an hydride\$")))) with ("ethylene glycol" or ethyleneglycol\$) with monoester\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:45

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2004

trying to  
find preferred  
cl. 13 ester

L Number	Hits	Search Text	DB	Time stamp
1	2209	molten with (sulfur\$ or sulphur\$)	EPO; JPO; DERWENT; IBM_TDB	2004/05/13 15:07
2	1989	molten with (sulfur or sulphur)	EPO; JPO; DERWENT; IBM_TDB	2004/05/13 14:59
3	21390	"de gas\$" or degas\$	EPO; JPO; DERWENT; IBM_TDB	2004/05/13 15:00
4	84	(molten with (sulfur or sulphur)) and ("de gas\$" or degas\$)	EPO; JPO; DERWENT; IBM_TDB	2004/05/13 15:00
5	539	molten adj (sulfur\$ or sulphur\$)	EPO; JPO; DERWENT; IBM_TDB	2004/05/13 16:18
6	529	(molten adj (sulfur\$ or sulphur\$)) not ((molten with (sulfur or sulphur)) and ("de gas\$" or degas\$))	EPO; JPO; DERWENT; IBM_TDB	2004/05/13 15:07
7	151	melt\$ adj (sulfur\$ or sulphur\$)	EPO; JPO; DERWENT; IBM_TDB	2004/05/13 16:18
8	117	(melt\$ adj (sulfur\$ or sulphur\$)) not (((molten with (sulfur or sulphur)) and ("de gas\$" or degas\$)) or (molten adj (sulfur\$ or sulphur\$)))	EPO; JPO; DERWENT; IBM_TDB	2004/05/13 16:19

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L Number	Hits	Search Text	DB	Time stamp
1	2147	423/567.1-578.4.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 17:08
2	224650	ketone\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 17:09
3	47	423/567.1-578.4.ccls. and ketone\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 17:05
4	364	423/232-233.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 17:06
5	64	423/567.1-578.4.ccls. and 423/232-233.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 17:06
6	62	(423/567.1-578.4.ccls. and 423/232-233.ccls.) not (423/567.1-578.4.ccls. and ketone\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 17:06
7	23053	(ethylene or propylene or diethylene) near3 carbonate\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 17:08
8	54	423/567.1-578.4.ccls. and ((ethylene or propylene or diethylene) near3 carbonate\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 17:07
9	51	(423/567.1-578.4.ccls. and ((ethylene or propylene or diethylene) near3 carbonate\$)) not (423/567.1-578.4.ccls. and 423/232-233.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 17:07
10	848	423/567.1-578.4.ccls.	USOCR	2004/05/13 17:08
11	24765	maleic\$	USOCR	2004/05/13 17:08
12	3	423/567.1-578.4.ccls. and maleic\$	USOCR	2004/05/13 17:08
13	1822	(ethylene or propylene or diethylene) near3 carbonate\$	USOCR	2004/05/13 17:08
14	4	423/567.1-578.4.ccls. and ((ethylene or propylene or diethylene) near3 carbonate\$ )	USOCR	2004/05/13 17:08
15	51133	ketone\$	USOCR	2004/05/13 17:09
16	17	423/567.1-578.4.ccls. and ketone\$	USOCR	2004/05/13 17:09
-	167881	maleic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 17:08
-	271355	anhydride\$ or "an hydride\$"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:39

Search from 5.12.04 for 4.13 ester

-	112	maleican\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:39
-	91737	maleic with (anhydride\$ or "an hydride\$")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:39
-	91775	maleican\$ or (maleic with (anhydride\$ or "an hydride\$"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:40
-	177815	"ethylene glycol" or ethyleneglycol\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:42
-	3471	(maleican\$ or (maleic with (anhydride\$ or "an hydride\$")))) with ("ethylene glycol" or ethyleneglycol\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:45
-	731615	ester\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:45
-	24413	monoester\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:45
-	56	((maleican\$ or (maleic with (anhydride\$ or "an hydride\$")))) with ("ethylene glycol" or ethyleneglycol\$) with monoester\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/12 17:45
-	267	423/567.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:18
-	201	423/578.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:19
-	168231	maleic\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:19
-	440	423/567.1.ccls. or 423/578.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:19
-	5	maleic\$ and (423/567.1.ccls. or 423/578.1.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:21

-	452	423/226.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:22
-	12	maleic\$ and 423/226.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:22
-	11	(maleic\$ and 423/226.ccls.) not (maleic\$ and (423/567.1.ccls. or 423/578.1.ccls.))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:30
-	470	423/265.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:34
-	19	maleic\$ and 423/265.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:30
-	109	423/264.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:37
-	* 0	maleic\$ and 423/264.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:35
-	356	423/563.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:35
-	2	maleic\$ and 423/563.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:35
-	1	(maleic\$ and 423/563.ccls.) not ((maleic\$ and (423/567.1.ccls. or 423/578.1.ccls.)) or (maleic\$ and 423/226.ccls.) or (maleic\$ and 423/265.ccls.))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:36
-	75	423/578.4.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:37
-	* 0	maleic\$ and 423/578.4.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:37
-	90011	423/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:38

-	<del>790</del>	maleic\$ and 423/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:38
-	2147	423/567.1-578.4.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:39
-	27	maleic\$ and 423/567.1-578.4.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:39
-	15	(maleic\$ and 423/567.1-578.4.ccls.) not ((maleic\$ and (423/567.1.ccls. or 423/578.1.ccls.)) or (maleic\$ and 423/226.ccls.) or (maleic\$ and 423/265.ccls.) or (maleic\$ and 423/563.ccls.))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/13 09:40

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2004

L Number	Hits	Search Text	DB	Time stamp
1	50	("6656445" "5552060" "6310080" "6271290" "6358979" "4243645" "4315773" "4144082" "4320030" "5686057" "5908545" "6291472" "6468948" "5935296" "6310128" "6310163" "6300519" "6372696" "6384036" "6451973" "5567212" "5567213" "5840177" "6358980" "4085923" "4321242" "4370161" "5733516" "5738834" "3891743" "4299811" "4313922" "4437980" RE32009 "5609199" "6291469" "6077803" "4555387" "6287550" "6319904" "6346577" "6395791" "6403708" "4317772" "4887492" "5449395" "5464601" "5663402" RE36598 "6271235").pn.	USPAT; US-PGPUB	2004/05/13 17:30

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